INDEX

Azauridine (6-azauracil riboside) compared with 6-azauracil for carcinostatic activity in mice, 168

Bacterial infection in kidney, experimental, 315, 341, 406

Beeson, Paul B. (see Freedman, Lawrence R.)

Beeson, Paul B. (see Guze, Lucien B.)

Beeson, Paul B. (see Rocha, Heonir)

Boisvert, Paul L. (see Krehl, Willard A.)

Bondy, Philip K., Cohn, George L., Herrmann, Walter, and Crispell, Kenneth R.: Etiocholanolone and periodic fever, 395

Bone, effects of estrogen in castrate C_3H mice, 121

Book Reviews

Abraham, E. P.: Biochemistry of some peptide and steroid antibiotics, 473

Austin, Anne L.: History of nursing source book, 159

Brookhaven Symposia in Biology. No. 9. Genetics in plant breeding, 77

Brown, Margaret E., Ed.: The physiology of fishes. Vol. I, Metabolism, 152; Vol. 2, Behavior, 331

Bugher, J. C., Coursaget, J., and Loutit, J. F., Eds.: Progress in nuclear energy, 78

Ciba Foundation Colloquia on Endocrinology, Vol. X, Wolstenholme, G. E. W., and Millar, Elaine C. P., Eds.: Regulation and mode of action of thyroid hormones, 253

Ciba Foundation Symposium: Wolstenholme, G. E. W., and O'Connor, C. M., Eds.: The chemistry and biology of purines, 252

Cochran, William G. and Cox, Gertrude M.: Experimental designs, 387

Cook, E. M., Ed.: The structure of nucleic acids and their role in protein synthesis, 155

Cowgill, Robert W. and Pardee, Arthur B.: Experiments in biochemical research techniques, 388

Cushing, John E. and Campbell, Dan H.: Principles of immunology, 251

Davidson, Maurice, Ed.: Medical ethics. A guide to students and practitioners, 151

Fairfield, Letitia: Epilepsy, grand mal, petit mal convulsions, 74

Fasanella, R. M., Ed.: Management of complications in eye surgery, 467

Fox, Joseph: The chronically ill, 334

Glass, Bentley, Ed.: Survey of biological progress, Vol. III, 389

Grönwall, Anders: Dextran and its use in colloidal infusion solutions, 75

Halnan, K. E.: Atomic energy in medicine, 469

Ham, Arthur W.: Histology, 250

Hampton, Oscar P., Jr.: Orthopedic surgery in the Mediterranean theater of operations, 254

Hanley, Howard G.: Recent advances in urology, 466

Harris, E. J.: Transport and accumulation in biological systems, 154

Hill, W. C. Osman: Man as an animal, 153

Illingworth, Ronald S.: The normal child, 391

Jones, Chester I: The adrenal cortex, 393

Josiah Macy, Jr. Foundation Conferences

Gestation. Transactions of the third conference, 72

Neuropharmacology. Transactions of the third conference, Abrams, Harold A., Ed., 392

Physiology of prematurity. Transactions of the first conference, Lanman, Jonathan T., Ed., 339

King, Cecil V., Gold, Harry, Wolff, Harold, **et al.**: Mercury and its compounds, 157

Klotz, Irving M.: Some principles of energetics in biochemical reactions, 76

Lawlor, S. D. and Lawlor, L. J.: Human blood groups and inheritance, 158

Leavell, H. R. and Clark, E. Gurney: Preventive medicine for the doctor in his community, 467

Lewis, G. P., Ed.: 5-Hydroxytryptamine, 471

MacBride, Cyril Mitchell, Ed.: Signs and symptoms: Applied pathologic physiology and clinical interpretations, 152

McNeil, Donald R.: The fight for fluoridation, 331

Macy, Icie G. and Kelly, Harriet J.: Chemical anthropology. A new approach to growth in children, 332

Missenard, André: In search of man, 468

Morris, John McL. and Scully, Robert E.: Endocrine pathology of the ovary, 465

Morris, J. N.: Uses of epidemiology, 328

Philipp, Elliot E.: From sterility to fertility, 328

Pierhal, Jean: Albert Schweitzer, the story of his life, 159

Pincus, G., Ed.: Recent progress in hormone research, Vol. 13, 335

Podolsky, Edward: The neuroses and their treatment, 474

Rebuck, John W., Bethell, Frank H., and Monto, Raymond W., Eds.: The leukemias. Etiology, pathophysiology, and treatment, 327

Reid, C.: Excited states in chemistry and biology, 389

Rowland, John: Mysteries of science, 390

Short, C. L., Bauer, W., and Reynolds, W. E.: Rheumatoid arthritis, 251

Society for Experimental Biology Symposia, No. 2: The biological action of growth substances, 329; No. 10: Mitochondria and other cytoplasmic inclusions, 333

Stanier, Roger Y., Duodoroff, Michael, and Adelberg, Edward A.: The microbial world, 156

Stephen, C. R., Ed.: Anesthesiology and related problems, 157

Strauss, Maurice B.: Body water in man. The acquisition and maintenance of the body fluids, 249

Thompson, R. H. S., and King, E. J., Eds.: Biochemical disorders in human disease, 248

Turner, C. E., Sellery, C. Morley, and Smith, Sara Louise: School health and health education, 79

Waddington, C. H.: The strategy of the genes, 470

Yoffey, J. M. and Courtice, F. C.: Lymphatics, lymph and lymphoid tissue, 72

Buckner, Fillmore and Herrmann, Walter: New compounds with progestational activity: a review, 446

Burr, Harold Saxton, 161
Bibliography, 163

Carcinoma, carcinostatic activity with azauridine in mice, 168

Cartilage, effects of estrogen in castrate C_3H mice, 121

Channing, Walter, 374

Clinical research, role of patient in physiological problem, 1

Cohn, George L. (see Bondy, Philip K.)

Coronary arteries, effects of injected plasma, 57; effects of fatty meal, 101

Crelin, E. S.: Unusual ectopia cordis in a human stillborn infant, 38

Crispell, Kenneth R. (see Bondy, Philip K.)

Darrow, Daniel C.: Role of the patient in clinical research of a physiological problem, 1

De Bella, Gregorio: Comparative study of concentrations of nonprotein, urea, and amino acid nitrogen in maternal and fetal plasmas of sheep and goats, 368

de Forest, Gideon K. (see Krehl, Willard A.)

Downing, S. E.: Reflex effects of acute hypertension in the pulmonary vascular bed of the dog, 43

Dubin, Lawrence and Horstmann, Dorothy M.: The epidemiology of aseptic meningitis and related nonspecific disease in Connecticut, 1957: virological and clinical studies, 429

Ectopia cordis in human stillborn infant, 38

Edema, pulmonary, experimental unilobar, 110

Endotoxin and snake venom, 355

Engel, Frank L.: Some unexplained metabolic actions of pituitary hormones with a unifying hypothesis concerning their significance, 201

Epidemiology, aseptic meningitis and nonspecific disease, 429

Epilepsy, visceral manifestations, 176

Estrogen, effect on cartilage and bone in castrate C_3H mice, 121

Etiocholanolone and periodic fever, 395

Events

Andrews, Christopher: Influenza, colds, and similar ills, 454

Attwood, Harold D.: Amniotic fluid embolism and maternal death, 322

Billingham, Rupert E.: Actively acquired tolerance of homologous cells, 383

Branscome, William C.: The mechanism of hypochloremia in respiratory acidosis, 463

Child, Charles G., III: Pancreatitis, 461

Child, Charles G., III: Portal hypertension, 321

Demerec, M.: The mechanism of genetic recombination through transduction in **Samonella,** 324

deMoss, John A.: Amino acid activation and its relationship to protein synthesis, 244

Dethier, Vincent G.: Chemoreception and the regulation of feeding in the blowfly, 325

Eliot, Martha: Public responsibility for the health and welfare of children, 320

Forro, Frederick, Jr.: Autoradiographic studies on DNA replication in bacteria, 246

Friedmann, Herbert: Metabolic aspects of wax digestion in birds, 245

Germuth, Frederick G., Jr.: Experimental hypersensitivity and human disease, 149

Gough, Jethro: A new look at pulmonary pathology, 460

Grant, Robert P.: Dextrocardia and dextroversion in congenital heart disease, 385

Kanwisher, John: Freezing in intertidal animals, 455

Kermack, Kenneth A.: Early mammals, 150

Love, J. W.: The inactivation of secretin, 462

Lowenstein, O. E.: Proprioception in insects, 149

Markert, Clement L.: Ontogeny of enzymatic activity, 324

Mitchison, N. Avrion: Transplantation of antibody-producing cells, 457

Moyer, Carl A.: Historical consideration in the treatment of burns, 460

Newell, Norman D.: Coral reefs of the West Indian province, 456

Raper, John: Genetics of the A incompatibility factor of **schizophyllum,** 244

Reissig, Magdalena, Black, Francis L., and Melnick, Joseph L.: Dual infection of cells and polio virus, 458

Rich, Saul: Physiological action of fungicides, 384

Schneiderman, Howard A.: The chemistry and physiology of insect hormones, 457

Simpson, Miriam E.: Experimental induction of ovulation, 382

Solomon, Phillip: Sensory deprivation. A new development in psychiatry, 454

Spratt, Nelson T., Jr.: The organization center of the chick blastoderm, 247

Stahl, Franklin W.: Mechanism of gene duplication, 382

Storstein, Ole: The effect of theophylline ethylene diamine on the pulmonary circulation, 384

Wilson, Edward O.: Evolution in tropical forests and the problem of faunal dominance, 326

Winternitz, William: Adrenalectomy and carbohydrate metabolism, 322

Zander, Josef: New perspectives for progesterone, 245

Fat, effect of fatty meal on coronary arteries, 101

Fertility tests, early, 16

Fever, periodic, and etiocholanolone, 395

Forbes, Thomas R.: Early pregnancy and fertility tests, 16

Forbes, Thomas R. and Klein, Irmhild: Plasma levels of progestin during absorption of progesterone pellets in mice, 442

Freedman, Lawrence R. and Beeson, Paul B.: Experimental pyelonephritis. IV. Observations on infections resulting from direct inoculation of bacteria in different zones of the kidney, 406

Freedman, Lawrence R. (see Rocha, Heonir)

Fungus infections, urinary tract, 292

Glaser, Gilbert H.: Visceral manifestations of epilepsy, 176

Goodall, M. C.: Kinetics of muscular contraction—I, 224

Gray, Frank D., Jr. (see Shedd, Donald B.)

Guze, Lucien B. and Beeson, Paul B.; Experimental pyelonephritis. Effect of partial ureteral obstruction on course of bacterial infection in the kidney of rat and rabbit, 315

Guze, Lucien B. and Haley, Leanor D.: Fungus infections of the urinary tract, 292

Guze, Lucien B. (see Rocha, Heonir)

Haines, Anne L.: Effect of estrogen on cartilage and bone in castrate C_3H mice, 121

Haley, Leanor D. (see Guze, Lucien B.)

Handschumacher, Robert E. (see Jaffe, Julian J.)

Herrmann, Walter (see Bondy, Philip K.)

Herrmann, Walter (see Buckner, Fillmore)

Hormones, pituitary, metabolic actions, 201

Horstmann, Dorothy M.: Poliomyelitis: pathogenesis and immunization, 81

Horstmann, Dorothy M. (see Dubin, Lawrence)

Hypertension, reflex effects of acute, in pulmonary vascular bed of dog, 43

Hypoxemia, and disorder of pulmonary function, 306

Immunization in poliomyelitis, 81

Incisor, mandibular, eruption rate in rat, 137

Jaffe, Julian J., Handschumacher, R. E. and Welch, Arnold D.: Studies on the carcinostatic activity in mice of 6-azauracil riboside (azauridine), in comparison with that of 6-azauracil, 168

Kidney, experimental bacterial infection, 315, 341; infection by zone after direct inoculation, 406

Klein, Irmhild (see Forbes, Thomas R.)

Krehl, Willard A., Boisvert, Paul L., de Forest, Gideon K., and Mucci, Mary B.: Rheumatoid factor in serum and synovial fluid, 30

Lindskog, Gustaf E.: History of pulmonary resection, 187

McDermott, Walsh: Microbial persistence, 257

McKegney, F. Patrick: Telencephalic projections of the midline and intralaminar nuclei in the cat, 415

Meningitis, aseptic, and nonspecific disease, 429

Microbial persistence, 257

Mucci, Mary B. (see Krehl, Willard A.)

Muscular contraction, kinetics, 224

Nitrogen in fetal and maternal plasma, 368

Nuclei, midline and intralaminar, telencephalic projections, 415

Patient, in clinical research, 1

Pituitary hormones, metabolic actions, 201

Plasma, human, effects of intravenous injection on coronary arteries of dogs, 57

Plasma, nitrogen in fetal and maternal, 368

Poliomyelitis, pathogenesis and immunization, 81

Powers, Grover F.: Abstract of second lecture, 320

Pregnancy tests, early, 16

Progestational activity in new compounds, 446

Progesterone, plasma levels of progestin during absorption of pellets, 442

Progestin, plasma levels during absorption of progesterone pellets, 442

Pulmonary edema, experimental unilobar, 110

Pulmonary function and hypoxemia, 306

Pulmonary resection, history, 187

Pulmonary vascular bed and acute hypertension, 43

Pyelonephritis, experimental, 315, 341, 406

Rheumatoid arthritis, diagnostic test, 30
Rocha, Heonir, Guze, Lucien B., Freedman, Lawrence R., and Beeson, Paul B.: Experimental pyelonephritis. III. Influence of localized injury in different parts of the kidney on susceptibility to bacillary infection, 341

Serum, rheumatoid factor in, 30
Shedd, Donald B. and Gray, Frank D., Jr.: Experimental unilobar pulmonary edema, 110
Simpson, J. Y., 374
Snake venom, and endotoxin, 355
Spink, Wesley W.: From endotoxin to snake venom, 355
Sturman, George D.: Eruption rate of rat mandibular incisor, 137
Synovial fluid, rheumatoid factor in, 30

Telencephalic projections of midline and intralaminar nuclei in cat, 415
Thoms, Herbert: Channing and Simpson in Edinburgh, 374

Ureteral obstruction and pyelonephritis, experimental, 315
Urinary tract, fungus infections, 292

Vascular disease, pathogenesis, 57, 101
Virus, aseptic meningitis and nonspecific disease, 429

Waters, L. L.: Pathogenesis of vascular disease. Effect of intravenously injected human plasma and of lipid-rich human plasma globulins on inflammatory lesions of the coronary arteries in dogs, 57
Waters, L. L.: Pathogenesis of vascular disease. Effect of a fatty meal on the course of acute inflammatory lesions of the coronary arteries and aortas of dogs, 101
Welch, Arnold D. (see Jaffe, Julian J.)
Williams, M. Henry, Jr.: Hypoxemia and disorder of pulmonary function, 306